

WHAT IS CLAIMED IS:

1. In the production of a porous body containing a fibrous apatite/collagen composite by gelating a dispersion comprising said fibrous apatite/collagen composite, collagen and water, freeze-drying the resultant gel to
5 form a porous body, and cross-linking collagen in said porous body, a method for controlling the average pore diameter of said porous body by the solidification time of said gel in said freezing step.
2. The method for controlling the average pore diameter according to claim 1, wherein the solidification time of said gel is controlled by a temperature
10 at which said gel is kept for freezing.
3. The method for controlling the average pore diameter according to claim 1 or 2, wherein the temperature for keeping said gel for freezing is -100°C to 0°C .